

## WHAT IS CLAIMED IS:

1. A method for preventing recurrence of cancer for a long period of time, in which activated lymphocytes are administered while performing treatment of cancer.

2. The method for preventing recurrence of cancer for a long period of time set forth in claim 1, wherein said cancer to be treated is liver cancer.

3. The method for preventing recurrence of cancer for a long period of time set forth in claim 1, wherein said treatment is a surgical operation.

4. The method for preventing recurrence of cancer for a long period of time set forth in claim 2, wherein said treatment is a surgical operation.

5. The method for preventing recurrence of cancer for a long period of time set forth in claim 1, wherein said treatment includes surgical and chemotherapeutic treatment or radiotherapy.

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6. The method for preventing recurrence of cancer for a long period of time set forth in claim 2, wherein said treatment includes surgical and chemotherapeutic treatment or radiotherapy.

7. The method for preventing recurrence of cancer for a long period of time set forth in claim 1, wherein said activated lymphocytes to be administered while performing treatment of cancer are collected from a cancer patient or the other cancer patient and cultivated for proliferating or activating.

8. The method for preventing recurrence of cancer for a long period of time set forth in claim 3, wherein said activated lymphocytes to be administered while performing treatment of cancer are collected from a cancer patient or the other cancer patient and cultivated for proliferating or activating.

9. The method for preventing recurrence of cancer for a long period of time set forth in claim 1, wherein said activated lymphocytes to be administered while performing treatment of cancer are prepared from a cancer patient or the other cancer patient at need.

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10. The method for preventing recurrence of cancer for a long period of time set forth in claim 3, wherein said activated lymphocytes to be administered while performing treatment of cancer are prepared from a cancer patient or the other cancer patient at need.

11. The method for preventing recurrence of cancer for a long period of time set forth in claim 7, wherein said activated lymphocytes to be administered while performing treatment of cancer are prepared from a cancer patient or the other cancer patient at need.

12. The method for preventing recurrence of cancer for a long period of time set forth in claim 1, wherein said activated lymphocytes to be administered while performing treatment of cancer are prepared from a cancer patient or the other cancer patient at need, said lymphocytes having cells of more than  $1 \times 10^9$  per milliliter.

13. The method for preventing recurrence of cancer for a long period of time set forth in claim 3, wherein said activated lymphocytes to be administered while performing treatment of cancer are prepared from a cancer patient or the other cancer patient at need, said lymphocytes having cells of more than  $1 \times 10^9$  per milliliter.

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14. The method for preventing recurrence of cancer for a long period of time set forth in claim 7, wherein said activated lymphocytes to be administered while performing treatment of cancer are prepared from a cancer patient or the other cancer patient at need, said lymphocytes having cells of more than  $1 \times 10^9$  per milliliter.

15. The method for preventing recurrence of cancer for a long period of time set forth in claim 9, wherein said activated lymphocytes to be administered while performing treatment of cancer are prepared from a cancer patient or the other cancer patient at need, said lymphocytes having cells of more than  $1 \times 10^9$  per milliliter.

16. The method for preventing recurrence of cancer for a long period of time set forth in claim 1, wherein said activated lymphocytes to be administered while performing treatment of cancer are cultivated to proliferate or activate in presence of solid-phase anti-CD3 antigen and interleukin 2.

17. The method for preventing recurrence of cancer for a long period of time set forth in claim 3, wherein said activated lymphocytes to be administered while performing treatment of cancer are cultivated to proliferate or activate in presence of solid-phase anti-CD3 antigen and interleukin 2.

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18. The method for preventing recurrence of cancer for a long period of time set forth in claim 7, wherein said activated lymphocytes to be administered while performing treatment of cancer are cultivated to proliferate or activate in presence of solid-phase anti-CD3 antigen and interleukin 2.

19. The method for preventing recurrence of cancer for a long period of time set forth in claim 9, wherein said activated lymphocytes to be administered while performing treatment of cancer are cultivated to proliferate or activate in presence of solid-phase anti-CD3 antigen and interleukin 2.

20. The method for preventing recurrence of cancer for a long period of time set forth in claim 1, wherein said activated lymphocytes are administered within eight months after commencing said treatment of cancer.

21. The method for preventing recurrence of cancer for a long period of time set forth in claim 1, wherein said activated lymphocytes are administered at least five or more times within eight months after commencing said treatment of cancer.

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